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destroyed by them. Potato-vines, beans, beets, and various other culinary plants, suffer in the same way." The services of the robins, in destroying these alone, would more than pay for all the fruit they devour. Indeed, during the breeding season, a robin is seldom seen without having in his mouth one of these caterpillars, or some similar grub, which he designs for his young; and as the Robin often raises three broods of young during the season, his species must destroy more of this class of noxious insects than almost all other birds together. In my own gardening experiences, I have had my full share of cutworms; and I have always noticed the Robin, Brown Thrush, and Cat-bird busy early in the morning,—almost before other birds are out of their feather-beds, figuratively speaking,—catching these vermin and eating them, or carrying them for food to their young.

THE CRETACEOUS FORMATION OF THE ENVIRONS OF SIOUX CITY, OF THE MISSION OF OMAHAS AND OF TEKAMA, ON THE BORDERS OF MISSOURI. By *Jules Marcou*. From the Bulletin of the Geological Society of France. 1866. 8vo, pp. 15. With a plate.

In this and a previous paper,* the author shows that there is a remarkable discrepancy between the usually accepted laws of the geological succession of animals and plants, and the natural sequence of the rocks containing them. The facts are thus stated in the present article:—

Between Omaha City, Nebraska, and Sioux City, is a fresh-water formation containing a flora entirely composed of genera, which, in Europe, have appeared only at the epoch of the Miocene (middle) Tertiary Period, but which in America, however, is found in the middle of the Cretaceous Period, at the base of the chalk formation.

The steps that led to this discovery are detailed quite fully by Prof. F. V. Hayden, in the American Journal of Science for March, 1867.

LEPIDOPTEROLOGICAL NOTES AND DESCRIPTIONS, I, II. By *Aug. R. Grote* and *Coleman T. Robinson*. 8vo, pp. 30. 1865-6. With five plates.

NOTES ON THE SPHINGIDÆ OF CUBA. By *Aug. R. Grote*. 8vo. 1865. With two plates.

NOTES ON THE ZYGÆNIDÆ OF CUBA. By *Aug. R. Grote*. 8vo, pp. 16.

NOTES ON THE LEPIDOPTERA OF AMERICA. By *A. R. Grote* and *Coleman T. Robinson*. New York, 1867. 8vo, pp. 35. With two plates.

In a series of papers, of which we select the titles of but a few, published by these authors in the Proceedings of the Entomological Society of Philadelphia, and the Annals of the Lyceum of Natural History of New York, are descriptions of new and interesting forms of our native moths, accompanied by admirably executed lithographic plates, wherein are figured many of the rarer species, either new or previously described.

The authors have delineated many of the forms of that beautiful and

*A Geological Reconnoissance in Nebraska. From the Bulletin of the Geological Society of France, 1864.